

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A method in a cellular communication system for reporting cell measurement results associated with cells of the system from a transceiver station via a radio interface between the transceiver station and a cell serving the transceiver station, comprising:

defining a reporting ~~order~~ sequence of the cells to be used by the transceiver station for reporting;

performing cell measurements at the transceiver station for getting cell measurement results associated with at least some of the cells;

selecting relevant cell measurement results from the performed cell measurements; and

reporting the cell measurement results from the transceiver station in the defined reporting ~~order~~ sequence.

2. (currently amended) A method according to claim 1, wherein the measurement results are reported by information symbol strings containing a plurality of information symbols, the method further comprising a step of including an indication symbol into the measurement report string for indicating whether the following predefined number of symbols in the string includes the cell measurement results of a subsequent cell in the reporting

~~order~~ sequence of the cells or whether the subsequent cell will not be reported in the measurement report string.

3. (currently amended) A method according to claim 2, wherein, in the event that the cell measurement indication symbol indicates that it will not be followed by symbols reporting the measurement results, the following symbol included in the measurement report string is a further indication symbol designated for a cell following the subsequent cell in the reporting ~~order~~ sequence of the cells.

4. (currently amended) A method according to claim 1, comprising further steps of receiving predefined information about the cells to be measured at the mobile station, and defining the reporting ~~order~~ sequence based on said received information.

5. (original) A method according to claim 4, wherein said information comprises frequency of a broadcasting control channel and the identity of a transmitting base station of the cell to be measured.

6. (previously presented) A method according to claim 4, wherein at least part of the information is transmitted in a separate message via the broadcasting control channel.

7. (previously presented) A method according to claim 1, further comprising a step of associating each of the reported measurement results with respective cells at a control node of the cellular communication system.

8. (previously presented) A method according to claim 1, wherein the reported cell measurement result for a cell comprises signal level of a radio signal received at the transceiver station.

9. (currently amended) A method according to claim 1, wherein the reporting ~~order~~ sequence is defined and the cell measurements are performed at the transceiver station for cells other than the serving cell.

10. (currently amended) A method according to claim 1, wherein the reporting ~~order~~ sequence is based on the information received from the serving cell.

11. (currently amended) A method according to claim 1, wherein rules for defining the reporting ~~order~~ sequence are stored at the transceiver station.

12. (currently amended) A method according to claim 1, comprising a step of transmitting rules for the reporting ~~order~~ sequence to the transceiver station via the radio interface.

13. (currently amended) A method according to claim 1, comprising a step of changing rules for defining the reporting ~~order~~ sequence.

14. (previously presented) A method according to claim 1, wherein rules for selecting the relevant other cells are stored at the transceiver station.

15. (previously presented) A method according to claim 1, comprising a step of transmitting rules for the selection of relevant cells to the transceiver station via the radio interface.

16. (previously presented) A method according to claim 1, comprising a step of changing the rules for the selection of the relevant cells.

17. (previously presented) A method according to claim 1, wherein the transceiver station sends the communication system information of the rules used for generating the cell measurement report.

18. (previously presented) A method according to claim 1, wherein the reported information of the cell measurement results is based on reference values.

19. (original) A method according to claim 18 in conjunction with claim 8, wherein the reported information indicates if the measured signal level is stronger or weaker than the reference value.

20. (currently amended) A cellular communication system comprising:
a transceiver station;

a cell serving the transceiver station via a radio interface;

a plurality of further cells;

wherein the transceiver station comprises control means for performing cell measurements concerning at least some of the further cells, control means for defining a reporting ~~order~~ sequence of the measurement results, control means for selecting relevant cell measurement results from the performed cell measurements, and control means for generating a report message reporting the cell measurement results in the defined reporting ~~order~~ sequence.

21. (original) A cellular communication system according to claim 20, comprising at least two different cellular network arrangements.

22. (currently amended) A cellular communication system according to claim 20, wherein the report message contains information symbols and at least one indication symbol in a string, said indication symbol indicating whether the following predefined number of symbols in the string define the cell measurement results of a subsequent cell in the reporting ~~order~~ sequence of the cells or whether the subsequent cell will not be reported in the string.

23. (currently amended) A cellular communication system according to claim 22, wherein, in the event that the cell measurement indication symbol is for indicating that it will not be followed by symbols reporting the measurement results, the following symbol in the measurement report string is a further indication symbol designated for a cell following the subsequent cell in the reporting ~~order~~ sequence of the cells.

24. (currently amended) A cellular communication system according to ~~any of the claims~~ claim 20, wherein the transceiver station is arranged to receive predefined information associated with at least some of the further cells for use in defining the reporting ~~order~~ sequence of the further cells.

25. (original) A cellular communication system according to claim 24, wherein the information comprises the frequency of a broadcasting control channel and the identity of a transmitting base station of the cell to be measured.

26. (currently amended) A cellular communication system according to ~~any of the claims~~ claim 20, further comprising a control node including means for associating measurement results with corresponding cells based on the reporting ~~order~~ sequence.

27. (currently amended) A mobile station for use in a cellular communication system comprising control means for performing cell measurements concerning cells of the system, control means for defining a reporting ~~order~~ sequence of the measurement results, control means for selecting relevant cell measurement results from the performed cell measurements, and control means for generating a report message reporting the cell measurement results in the defined reporting ~~order~~ sequence.

28. (original) A mobile station according to claim 27, said mobile station being arranged to operate in at least two different cellular network systems.

29. (currently amended) A mobile station according to claim 27 being further arranged to receive predefined information associated with at least some of the further cells for use in defining the reporting ~~order~~ sequence of the further cells.

30. (currently amended) A network node of a cellular communication system comprising means for receiving cell measurement results from a station communicating with one of the cells of the system, said measurement results being associated with a plurality of cells of the communication system and being reported from the station in a reporting ~~order~~ sequence of the cells defined by the station, control means for defining the reporting order used by the station for the reporting and control means for attaching measurement results to cells based on the reporting ~~order~~ sequence.

31. (new) A method according to claim 1, wherein said step of reporting comprises reporting the cell measurement results from the transceiver station in the defined reporting sequence without including any identification parameters of the cells.

32. (new) A cellular communication system according to claim 20, wherein said control means for generating a report comprises means for generating a report message reporting the cell measurement results in the defined reporting sequence without including any identification parameters of the cells.

33. (new) A mobile station according to claim 27, wherein said control means for generating a report comprises means for generating a report message reporting the cell

measurement results in the defined reporting sequence without including any identification parameters of the cells.

34. (new) A network node of claim 30, wherein the measurement results are reported without including any identification parameters of the cells.